

Vol. 15, No. 46

WEEKLY REPORT

Week Ending November 19, 1966

U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE

PUBLIC HEALTH SERVICE

EPIDEMIOLOGIC NOTES AND REPORTS
GASTROENTERITIS AND VIRAL HEPATITIS
ASSOCIATED WITH RAW CLAMS — New Jersey

An outbreak of 33 cases of a gastroenteric illness and 4 cases of viral hepatitis occurred among 128 persons who had attended a picnic in East Brunswick Township, New Jersey, on August 21, 1966. Following the investigation of the four cases of viral hepatitis during October 1966, the common picnic experience was detected. Subsequent investigation of the persons who had attended that picnic revealed the occurrence of the gastroenteric illnesses.

The gastroenteric illnesses, which developed 12 to 60 hours following the afternoon of the picnic, lasted

CONTENTS

for one to 3 days and were characterized by nausea, vomiting, abdominal cramps, and diarrhea. Only 5 of the 33 persons experienced fever. None of the ill persons were hospitalized.

Of the 128 persons who attended the picnic, 122 persons were questioned regarding possible illnesses and foods eaten. Twenty-two food items, including raw and (Continued on page 394)

CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES (Cumulative totals include revised and delayed reports through previous weeks)

Mannata and the Anna and	46th WEE	K ENDED	MEDIAN	CUMULATIVE, FIRST 46 WEEKS				
DISEASE	NOVEMBER 19, 1966	NOVEMBER 20, 1965	MEDIAN 1961 – 1965	1966	1965	MEDIAN 1961 – 1965		
Aseptic meningitis	55	44	45	2,675	1,904	1,914		
Brucellosis	3	4	6	211	217	353		
Brucellosis Diphtheria	i	4	8	170	144	244		
Encephalitis, primary:								
Arthropod-borne & unspecified	44	39		1,937	1,728			
Encephalitis, post-infectious	5 40	7		655	600			
Hepatitis, serum	40	talk hidi u	7	1,279	1 00 010	Advetta		
Hepatitis, infectious	717	665	793	28,376	29,849	38,292		
Measles (rubeola)	1,159	1,702	1,885	195,405	249,331	399,815		
Poliomyelitis, Total (including unspecified)	3	_	11	91	54	389		
Paralytic	3	-	10	83	42	332		
Nonparalytic	WHITE PROPERTY	The second second	107.727	1	9			
Meningococcal infections, Total	50	60	44	3,071	2,692	2,097		
Civilian	45	57		2,779	2,499			
Military	5	3		292	193			
Rubella (German measles)	263		7	43,827				
Streptococcal sore throat & Scarlet fever	8,248	7,374	6,356	368,315	343,589	297,496		
Tetanus	3	11		171	245			
Tularemia	6	4		159	228			
Typhoid fever	7	11	11	347	394	483		
Typhus, tick-borne (Rky. Mt. Spotted fever).	4	4		239	256			
Rabies in Animals	85	79	72	3,606	3.851	3.372		

NOTIFIABLE DISEASES OF LOW FREQUENCY

	Cum.	02.0120	Cum.
Anthrax:	6	Botulism:	
Leptospirosis:		Trichinosis: NJ-1, NYC-2	90
Malaria: Ala-1, Calif-2, La-5, Mass-1, NYUpS-1, Ore-1, P.R1	421	Rabies in Man:	1
Psittacosis: Minn-1	41		21
Typhus, murine: Ala-1	26	Plague:	5

GASTROENTERITIS AND VIRAL HEPATITIS ASSOCIATED WITH RAW CLAMS - New Jersey

Table 1

Attack Rates of Gastroenteric Illnesses Among Persons Who Ate or Did Not Eat Picnic Foods

TANKE.	35		Eaters		No. of Concession,	N	on-Eaters	
The second section	111	Not Ill	Total	Attack Rate	III	Not Ill	Total	Attack Rate
Beer	16	28	44	36	17	61	78	22
Birch beer	20	62	82	24	13	27	40	33
Chicken	25	54	79	32	8	35	43	19
Clams	31	30	61	51	2	59	61	3
Corn on cob	23	68	91	25	10	21	31	32
Hamburgers	25	74	99	25	8	15	23	35
Hot dogs- grilled	18	44	62	29	15	45	60	25
Ice cream	16	45	61	26	17	44	61	28
Potato salad	16	31	47	34	17	58	75	23
Raw onions	12	32	44	27	21	57	78	27
Sausage with sauce	19	50	69	28	14	39	53	26

steamed clams, were served. Those food items eaten by more than half of the ill persons are listed in Table 1, with the attack rates shown among persons who ate and did not eat each food. With the exception of clams, there are no differences in attack rates among eaters and noneaters for each food item. Among 61 persons who had eaten clams, 31 (51 percent) became ill, whereas only 2 (3 percent) of the 61 persons who did not eat clams became ill. These data suggested clams as the responsible food item.

Table 2 shows the attack rates among persons who ate clams in different forms. Among persons who ate only raw clams or both raw and steamed clams, the attack rates were 52 and 53 percent, respectively. Although the attack rate among persons who ate steamed clams alone was 33 percent, there were only six persons in that category, an insufficient number to conclude that steamed clams were involved. Thus, the illnesses seem to have been related to ingestion of the raw clams.

Table 2

Attack Rates Among Persons Who Ate or Who Did Not
Eat Clams

	E	Eaters							
	III	Total	Attack Rate						
Raw plus steamed clams	16	30	53						
Raw only	13	25	52						
Steamed only	2	6	33						
None	2	61	3						
Total	33	122	27						

Four persons who attended the picnic developed viral hepatitis. Each had eaten both raw and steamed clams, and three of them also experienced an acute gastroenteric illness. The intervals between the time of the picnic and onsets of hepatitis in the four patients were 22, 26, 37, and 40 days, respectively. None of these four had a history of personal contact with a jaundiced person during the 2 months prior to onset, and none had received parenteral inoculations or blood transfusions within the 6 months preceding their illnesses.

An attempt was made to uncover other patients with hepatitis who had eaten clams obtained from the same sources as the "picnic" clams. A telephone survey among 95 physicians in the county where the clam retailer is located revealed four unreported hepatitis cases. None of these four had eaten raw or steamed clams. In addition, from the entire state there were eight other persons with hepatitis and history of clam ingestion reported to the New Jersey State Health Department during August, September, and October, but none of these could be linked with the sources of the "picnic" clams.

One bushel of raw clams (Mercenaria mercenaria) and one bushel of steamer clams (Mya arenaria) which were served at the picnic were obtained from different sources. Investigation of the source of the raw clams is currently underway.

(Reported by Dr. William J. Dougherty, Director, Preventable Disease Control, New Jersey State Department of Health; Dr. Sidney Katz, Director, Health and Welfare, East Township; and a team of EIS Officers.)

CURRENT TRENDS MEASLES - 1966

For the 46th week (ending November 19, 1966), 1,159 measles cases were reported from 40 states. This represents an increase of 443 cases over the preceding week

and a decrease of 543 cases from the total of 1,702 cases for the 46th week in 1965. The states recording the highest numbers of measles cases for the 46th week are

Texas, with 199 cases, and Washington, with 190.

The 14 counties reporting 10 or more cases for the 45th week are listed in Table 3; the geographic distribution of counties and health districts reporting measles for that week is shown in Figure 1.

(Reported by the Childhood Viral Diseases Unit, Epidemiology Branch, CDC.)

Table 3

Counties Reporting Highest Number of Measles Cases

Week Ending November 12, 1966

County	State	Number of Cases
Wayne	Michigan	71
Washington	Oregon	69
Richardson	Nebraska	41
Sioux	N. Dakota	28
Maury	Tennessee	25
Waushara	Wisconsin	22
Jefferson	Texas	16
Los Angeles	California	14
Milwaukee	Wisconsin	14
Red River	Texas	14
Glacier	Montana	11
McHenry	N. Dakota	10
Penobscot	Maine	10
Tulsa	Oklahoma	10

Park County, Wyoming

Investigation of the recent outbreak of measles in Park County, Wyoming (MMWR, Vol. 15, No. 45) has revealed the localization of 99 known cases among school children in the city of Cody (population 4,838). The

distribution of cases to date in the Cody schools is as follows: Eastside School - 58 cases; Sunset School - 38 cases; Westside School - 2 cases; Junior High School - 1 case. A telephone survey of families of known school cases has uncovered more than 20 cases among preschool siblings of school-age cases.

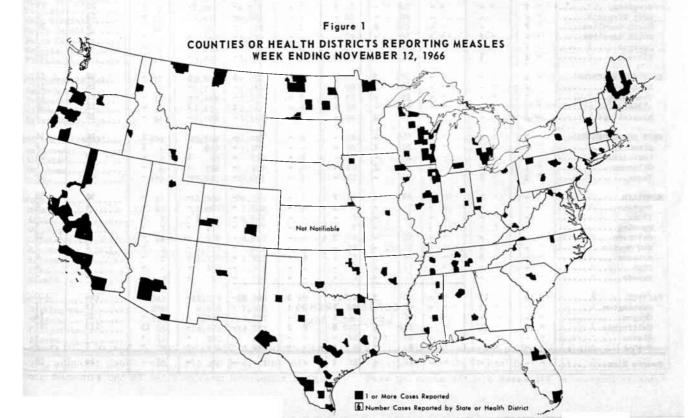
The index case entered the Eastside School during the first week of September; a playmate of the index case had had measles during the late summer. Peak numbers of cases occurred during the first week in October and again in the first and second weeks in November. Complications requiring hospitalization occurred in an 18-month-old male with a febrile convulsion and in an 8-year-old male with post-infectious encephalitis.

A survey was conducted in the three elementary schools with 97 percent return of the questionnaire forms. In the first three grades of the schools, 37.5 percent of the children at Westside were noted to be susceptible, compared to 22.9 and 17.3 percent, respectively, of the students at Eastside and Sunset Schools where almost all of the measles cases occurred.

Local newspaper articles and radio programs have emphasized the importance of measles immunization. A letter from the superintendent of the school system was sent to the parents of susceptible children in the elementary grades urging measles immunization.

In the nearby community of Powell, Wyoming (population 4,740), seven cases of measles have been reported since October 16, 1966, five of which occurred in one

(Continued on page 400)



Morbidity and Mortality Weekly Report

CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES FOR WEEKS ENDED

NOVEMBER 19, 1966 AND NOVEMBER 20, 1965 (46th WEEK)

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AREA	ASEF MENIN	TIC GITIS	BRUCELLOSIS	Prim inclu unsp.	ding	Post- Infectious	DIPH	THERIA	Serum	Infectious	Both Types
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UNITED STATES	55	44	3	44	39	5	1	4	40	717	665
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NEW ENGLAND	3	1		1	-	ray a Digwin	in the local	LIBERT	4	44	40
New Hampshire				_	= <u>1</u> 01	-		-	-	9	6
Vermont	DEPOSE.	it political	hay Keningdiy	مازقاده با	1		E-20 - 10 1			2	3
Massachusetts	1						_	_		11	24
Rhode Island	1	1	_	The later is a			100		2	2	24
Connecticut	1	MAN INTE	He remains	1	-	-	-	13.	2	20	4
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New York City	-	1	TAX DITTER	6 2	11	1	1	17 Table	16 12	135 32	125 33
New York, Up-State.	1	2	WHEN THE BELL WITH		-	- 2			1	41	38
New Jersey	4	3		3	4				1	24	25
Pennsylvania	1	-	The state of the s	1	3	1	-	-	2	38	29
EAST NORTH CENTRAL	7	- 11	THE PARTY	16				-Loss -1		101	150
Ohio	7	11 1	THE PERSON	16	5	1	and the second	7.41	1	121	150
Indiana.	1	1	Phones T 14	2	3		-	- 161	11131 - X	25	30
Illinois	3	3	3 154	2	1	1			thall-salv	16 32	15 30
Michigan	2	7	PERSONAL PROPERTY.	1	1 1	30-1	detta.		1	32	68
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WEST NORTH CENTRAL	2	1		9	2	81	-	-	1	29	38
Iowa		1	- The state of the	6	-	- 101			1	7	4
Missouri	2	- 20	HINDRY OF THE	2	10.				- I.	14	14
North Dakota		14 (4)	A Company of the comp	self- e-		_	_	_		6	9
South Dakota	- 6-				1	-		-		INOTIFE THE	O LIN
Nebraska		_	May be made and	1	1	I Die De	ITIJIme		+ 114		1
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SOUTH ATLANTIC	11	5	-	2	3	and of gards.	19000	2	2	71	76
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West Virginia	-	_			1			2001	1	13	6
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Kentucky	4		100	3	-	1983.7	1	1	1000	59	32
Tennessee	1		100	1	36	I		inte ²⁵ etc	- 19	16 21	11 12
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Louisiana	45"	0	-	1 8000	-	ومنتا وتستار	G -	1		12	16
Oklahoma	1		1	2	/-	and a		-	-	8	1
Texas	2	3	2	-	-	-	-	ر تعدید	-	49	30
MOUNTAIN		2	10 to	-	7		_	-	_	30	38
Montana	A		1 1 1	_	2				_	4	4
Idaho	14	473	1 1 1 10	177			a ver			3	2
Wyoming	1.0	6 -	- 1	-	1	24-62-19-19	E	100			3
Colorado			-	-	3		F	44 -44	- V	7	10
New Mexico	- 3	1	-	- 1			-	-	- 18	2	9
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PACIFIC	19	15	9 1 1	3	11	3	_		15	154	110
Washington	-	1	T - J-	1000	2	1	_	_	-	154	7
Oregon	1-1	1.6	San Co	1	ī	7.8 -			100	22	14
California	19	14	and the second	3	8	2			15	113	87
Alaska		A	21 Total	- 10	-	- 400		-	#	2	-
Hawaii	2400		-		F + 01		-		2000	2	_ 2

Morbidity and Mortality Weekly Report

CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES FOR WEEKS ENDED

NOVEMBER 19, 1966 AND NOVEMBER 20, 1965 (46th WEEK) - CONTINUED

A THE PARTY OF	MEAS	SLES (Rube	(61	MENINGO	COCCAL INFI	ECTIONS,		POLIOM	YELITIS		RUBELL
AREA	PLAS	SLES (Ruber)la)	Section 1	TOTAL		Tot	al	Par	ralytic	KUBELL
AREA		Cumu la	tive		Cumula	tive			-	Cumulative	
AND THE REST	1966	1966	1965	1966	1966	1965	1966	1965	1966	1966	1966
UNITED STATES	1,159	195,405	249,331	50	3,071	2,692	3	-	3	83	263
VPI TWO		0.470			11 76						
NEW ENGLAND	39	2,473	37,114	2	141	138	T1-	-	-		41
Maine	8	268	2,884	I I	12	17	-	- 9	-		19
New Hampshire		80	382	1 1	9	9	-		1 -	2-4 - 27 6	-
Vermont	14	316	1,369	_	4	8	-	- 8	-	FOR STREET	1
Massachusetts	5	815	19,352	2	59	51	-	-	-	-	7
Rhode Island	1 11	73 921	3,951 9,176	I I	17 40	15					1
Connecticut	11	721	9,170	_	40	38			= -		14
MIDDLE ATLANTIC	61	18,299	15,988	6	388	358		- 1		33759	16
New York City	10	8,350	2,767	1	62	59	-	0.1 - 30	-	1,140	11
New York, Up-State.	7	2,592	4,278		105	101		- 4	-	- 40 to 1 - 10 to 1	4
New Jersey	14	1,913	2,989	2	109	95	-	- 9	-	-	
Pennsylvania	30	5,444	5,954	3	112	103	4-	- 14	-		1
EAST NORTH CENTRAL	161	69,671	58,249	7	489	405	2	11	2	7	57
Ohio	15	6,403	8,974	4	142	109	1	- 10	1	2	3
Indiana	15	5,774	2,132	I	85	47	1		_	1	17
Illinois.	10	11,457	3,118	1	87	109	_	_		3	4
Michigan	55	14,863	27,081	1	127	93	1		1	1	
Wisconsin	66	31,174	16,944	1	48	47	-	1 3	1	1	21 12
		32,27	20,544	1		77	10.0				12
WEST NORTH CENTRAL	56	9,013	17,031	1	158	134	- 14	- 6	-	1	4
Minnesota	5	1,665	748	7	35	32		- 63	-	11	1
Iowa	3	5,361	9,186	-	22	12		- 6	-	A	-
Missouri	- 11.5	537	2,635	-	61	53	-	- XU		Sec	-
North Dakota	29	1,262	3,890	-	11	12	-	- 40	-	5-1-1	3
South Dakota	- 1	40	115	-	5	3			-	5 - Iv IV.	4/-
Nebraska	19	148	457	1 5 7	9	10	-	- 30	-	1	- 1000-
Kansas	NN	NN	NN	1	15	12		- 1	- 1	External Property	-
SOUTH ATLANTIC	102	15,696	26,039	8	520	504				1 1	23
Delaware		262	508	1	5	10	-	- 30			3
Maryland		2,121	1,203	1 - 1	49	50		- 10	-		2
Dist. of Columbia	-	388	88	-	14	11	54-	- 4	-	-	_
Virginia	3	2,208	4,179	1	63	65	-	- 61	-	-	
West Virginia	45	5,457	14,383	2	41	26	1	- 30		Lilva-salas	6
North Carolina	40	559	405	1	132	105	F	- 1			O Del
South Carolina	-	660	1,119	-	53	63			-		3
Georgia	2	238	626	2	68	60		- 16	-	1	
Florida	12	3,803	3,528	1	95	114			-	la menal	9
EAST SOUTH CENTRAL	117	20 007	14 750	7	267	206			١,		
	117 19	20,097	14,752	3	93	79	1	-	1	4	19
Kentucky	21	4,773	2,983	2		1		-		2.1842.2016	12
Tennessee		12,488	8,280		92	65			200	1	7
Alabama Mississippi	13 64	1,738	2,347	2	58 24	37 25	1	100	1	3	-
	04	1,098	1,142		24	23	a I * ' .	11.	1	3	•
WEST SOUTH CENTRAL	203	25,549	31,482	6	416	339		- 0	-	67	-
Arkansas	-	979	1,088	-	36	18		- 9	-	1	-
Louisiana	-1 -	99	114	5	157	186	- L	- 30		1	-
Oklahoma	4	538	219	-	21	21		- 1	-	1	-
Texas	199	23,933	30,061	1	202	114	-		-	64	-
MOUNTAIN	57	12,330	20,370	3	94	96		1 . 5			24
Montana	11	1,882	3,828		5	2		11 - 2	_		3
Idaho	7	1,664	2,918		5	11		1 2			
Wyoming	3	217	857		6	5	117				
Colorado	28	1,376	5,883		49	27					18
New Mexico	3	1,153	685		10	11					18
Arizona	2	5,335	1,390	3	13	20			1 1		- 2
Utah		648	4,595	3	1	17			1	TYAY A	3
Nevada	3	55	214		5	3		- 1			- 1
		4.0	- 11	3	1 1						
PACIFIC	363	22,277	28,306	10	598	512		-	-	3	79
Washington	190	4,439	7,382	1	44	39	-	- 5	-	2	41
Oregon	112	2,117	3,395	4 3	37	36		-	-	+35A(0) To 43(0)	19
California	45	14,975	13,333	9	495	411		11 - 14	100	1	18
Alaska	11	592	197	A F 3	18	18	-	- 33	-	-0000-0-000	
Hawaii	5	154	3,999		4	8		-	-	-	1
Puerto Rico	63	3,230	2,727	_	16	11	46.7	And the same	-	1	17

Morbidity and Mortality Weekly Report

CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES FOR WEEKS ENDED

NOVEMBER 19, 1966 AND NOVEMBER 20, 1965 (46th WEEK) - CONTINUED

AREA	STREPTOCOCCAL SORE THROAT & SCARLET FEVER	TETA	ANUS	TULA	REMIA	ТҮР	HOID	TICK-	FEVER BORNE Spotted)		ES IN MALS
	1966	1966	Cum. 1966	1966	Cum. 1966	1966	Cum. 1966	1966	Cum. 1966	1966	Cum.
UNITED STATES	8,248	3	171	6	159	7	347	4	239	85	3,60
TEW ENGLAND	1,162		4		1	,	12				
Maine	95			1	-	2	13		3		8
New Hampshire	8			1 1]]	1200		- 40 TO		2
Vermont	46			2.5		2 1	909		- 1 I.O		2
Massachusetts	162	_	2	_	1	2	9		1		
Rhode Island	84		1 21	_		200	8 1 1		1 1		
Connecticut	767		2	10.4	-		4	-	2	D - =	
MIDDLE ATLANTIC	246		14	10.2		1	57	2	46	4	20
New York City	15		5	-	-		25		W- 1		
New York, Up-State.	191		2		-	-	12	113 -	13	3	19
New Jersey	NN		2	- 1	-	1	8	2	15	40.00	
Pennsylvania	40		5		-	-	12	- 7 - 1	18	1	1
AST NORTH CENTRAL	767	4	20	1 1	20	1 - 1	41	0,70	19	6	46
Ohio.	48	-	4	1 5 0	3		20	-	9	3	19
Indiana	128	, N = 0	4	1	10	10	4	1	7 - 11	1	10
Illinois	191	- 3	4	F 6 .3	6	-	5	19,14	10	2	7
Michigan	312	1 - 1	6	-	-	1	6	- D			4
Wisconsin	88	1 - 3	2	3 4 18	1	1	6	1.00	-	10-10	9
EST NORTH CENTRAL	278	1	15	V = 1	19	2	33	93 -	4	14	82
Minnesota	13	H - 2	3	- 1	1	-	1	845 -		4	19
Iowa	109		2	-	1.5	1 : 1	5	36 - 7	-	1	15
Missouri	10	-	8	-	10	2	17	-	3	3	24
North Dakota	96		-	- 1	-	-	1		A	2	4
South Dakota	21		-	-	4		-	-	. (- 0	4	9
Nebraska Kansas	29	1 -	1 1	1 1	2 2	1	2 7		- 1		2
	1.00/		20								
OUTH ATLANTIC Delaware	1,004		32		12	1	66	355	109	7.	45
Maryland	140	-	3		2		1	-	2	711-	1 - 1
Dist. of Columbia	140		3	1		- 1	11		26	1111	
Virginia	220		6		2	1	16	10 W		-	
West Virginia	219		-		1	1	10	155	31	2	23
North Carolina	25		4		3		6			1	,
South Carolina	19		2		ī	2.5	13	-	27	a District	
Georgia	12		7	1 / 1	3	A 12-1	4	8 2	5	3	9
Florida	343	5 - >	10		-	1	12	3,6	18	1	6
AST SOUTH CENTRAL	1,258	2	24	1	24	- 14	43	10,00 1 a	43	12	45
Kentucky	57	1 -	2	12	2		10		9	7	10
Tennessee	1,001	1	6	1	14	- 1 3	22	1	25	5	30
Alabama	163	1 1	8	-1	4		6	1004	7		2
Mississippi	37	1	8	2-11	4		5	10 TH	2	od Fil	2
EST SOUTH CENTRAL	867	4	42	4	71	- 1	36	1	10	8	71
Arkansas	3		4	4	54	- 1	4	4 3 1	2	1	8
Louisiana	3		10	4 - 7	4	- 11	10		1 1	î	4
Oklahoma	67	3 - F	3	2 2 1 2	7	4 4	9	1	7	2	17
Texas	794	- 1	25		6	-	13	142	i	4	41
OUNTAIN	1,330	V	2	10 10	9	1.7	17	2.75	4	1	9
Montana	64		- 1 - 4	7-13	2		1,50	1000	1 5 E.	X11/2-11	Abst
Idaho	131	91-12	9 IT stu	4-16	- 1	F . 3	100	A-1 - 11	1		4 - 440
Wyoming	40	44-	1.1.1	1 4 - 14	3	- 1	11 1	-111	1		e-tes
Colorado	757		2	+ - 1.9) J-	1 - 12 T	4	192 00-112	2	BH.	1000 1
New Mexico	216	160 - 1	-1.0	4 4 10	1	3	2	150×110	î	400	1660 1
Arizona	65	10 - 1		14.15	1		5	12 11	1 1 1 2 2	- 1	4
Utah	56	-1.	101		2	1 2 3	5		200	10 10 11	1270
Nevada	1		200	1-1-	F 15	114.9	1	1.10	1 12	MACCO 142	- 10.7 (10.9
ACIFIC	1,336	111-113	18	11.110	3	1	41	0.85	1	33	29
Washington	265	1		194		1 - 2 - 1	11	124 124 1			1
Oregon	32	10 T	1	- 11		1 2 2 3	1	보통, 크네 원	Harry Law	-4,52 - 41	27.67
California	954	11 feb 10	17	1-10	3	1	27	1,21-21	1 10	33	27
Alaska	47			- 2	18.3		-	53 S-L	I con	ALC: NO	13.63
Hawaii,	38		-	-	-	-	2	-	e de la la la la	0.0	

Week No.

DEATHS IN 122 UNITED STATES CITIES FOR WEEK ENDED NOVEMBER 19, 1966

(By place of occurrence and week of filing certificate. Excludes fetal deaths)

& Test Control	All Ca	uses	Pneumonia	Under	A PERSON NOW A LITTLE WAS	All Ca	uses	Pneumonia	Under
Area	All Ages	65 years and over	and Influenza All Ages	l year All Causes	Area	All Ages	65 years and over	and Influenza All Ages	l year All Causes
NEW ENGLAND:	815	487	38	40	SOUTH ATLANTIC:	1,248	622	55	89
Boston, Mass	275	147	16	14	Atlanta, Ga	123	56	4	11
Bridgeport, Conn	45	29 25	4	2	Baltimore, Md	276	145	5	11
Cambridge, Mass Fall River, Mass	37 31	21	1	2	Charlotte, N. C	47 94	27 37	1 5	6
Hartford, Conn	57	27	î	5	Jacksonville, Fla Miami, Fla	99	53	-	
Lowell, Mass	22	14	-	3	Norfolk, Va	40	14	101	1
Lynn, Mass	37	25		2	Richmond, Va	71	34	2	10
New Bedford, Mass	37	21	3	2	Savannah, Ga	35	13	1	3
New Haven, Conn	67	39	1	2	St. Petersburg, Fla	101	81	8	2
Providence, R. I	67 20	40 14	1	5	Tampa, Fla	79 235	43 96	13 10	24
Somerville, Mass Springfield, Mass	41	29	2		Washington, D. C Wilmington, Del	48	23	5	1
Waterbury, Conn.	23	17	-		willington, bell	40	23	,	
Worcester, Mass	56	39	4	2	EAST SOUTH CENTRAL:	693	352	34	57
					Birmingham, Ala	102	61	1	7
ADDLE ATLANTIC:	3,635	2,068	139	175	Chattanooga, Tenn	65	38	3	2
Allenterm Ps	53	26	2	1	Knoxville, Tenn	36	20	2	
Allentown, Pa Buffalo, N. Y	29 152	20 83	1 2	1 6	Louisville, Ky. ~ Memphis, Tenn	141 152	76 63	12 1	10
Camden, N. J	53	28	2	3	Mobile, Ala	56	23	2	6
Elizabeth, N. J	40	22	1	1	Montgomery, Ala	41	20	6	2
Erie, Pa	47	28	2	3	Nashville, Tenn	100	51	7	9
Jersey City, N. J	91	53	3	6					
Newark, N. J	109	51	7	4	WEST SOUTH CENTRAL:	1,193	628	49	62
New York City, N. Y	1,850	1,054	71 3	91	Austin, Tex	54 50	31 24	4	
Paterson, N. J Philadelphia, Pa	495	275	14	22	Baton Rouge, La Corpus Christi, Tex	30	12	100 H	1
Pittsburgh, Pa	252	139	5	14	Dallas, Tex	155	84	5	. 8
Reading, Pa	43	27	2	1	El Paso, Tex	26	16	2	N/III
Rochester, N. Y	102	62	7	4	Fort Worth, Tex	79	52	3	Filling.
Schenectady, N. Y	32	23	2	-	Houston, Tex	223	99	6	13
Scranton, Pa	36 68	24 41	3 1	1 5	Little Rock, Ark	62 190	95	13	4
Syracuse, N. Y Trenton, N. J	67	32	7	6	New Orleans, La Oklahoma City, Okla	106	57	3	5
Utica, N. Y	32	23	3	2	San Antonio, Tex	91	58	1	7
Yonkers, N. Y	43	30	1	1	Shreveport, La	53	30	2	2
					Tulsa, Okla	74	48	7	2
AST NORTH CENTRAL:	2,798	1,560	89	163					
Akron, Ohio	74 43	47 28	3	7	MOUNTAIN:	468	271	17	33
Canton, Ohio Chicago, Ill	771	400	25	50	Albuquerque, N. Mex Colorado Springs, Colo.	21	24 16	7	1
Cincinnati, Ohio	199	123	8	14	Denver, Colo	121	65	î	10
Cleveland, Ohio	261	141	6	19	Ogden, Utah	22	12	1	2
Columbus, Ohio	145	76	3	15	Phoenix, Ariz	104	58	3	5
Dayten, Ohio	86	50	1	6	Pueblo, Colo	22	15	1	TV 1
Detroit, Mich	357	194	6	14	Salt Lake City, Utah	69	37	2	8
Evansville, Ind	52 55	32 37	3 6	5 1	Tucson, Ariz	65	44	1	2
Flint, Mich Fort Wayne, Ind	60	28	1	1	PACIFIC:	1,599	930	48	67
Gary, Ind	54	25	2	3	Berkeley, Calif	15	10	1	
Grand Rapids, Mich	55	31	6	3	Fresno, Calif	57	33	2	4
Indianapolis, Ind		59	2	7	Glendale, Calif	21	14	Time !	3
Madison, Wis	31	16	1	1	Honolulu, Hawaii	59	30	-	1
Milwaukee, Wis	143	96	4	4	Long Beach, Calif	93	63	5	1/
Peoria, Ill	43 25	26 17	2 4	2	Los Angeles, Calif Oakland, Calif	395 23	12	9	14
South Bend, Ind	38	20	3	2	Pasadena, Calif.*	37	25	1. Thomas II	407
Toledo, Ohio	118	63	2	6	Portland, Oreg	173	99	6	
Youngstown, Ohio	72	51	1	3	Sacramento, Calif	77	45	5	1
					San Diego, Calif	93	50	4	dig.
EST NORTH CENTRAL:	939	554	35	51	San Francisco, Calif	219	118	5	1
Des Moines, Iowa	59 34	31	4 5	6	San Jose, Calif	180	36	3	1,2
Duluth, Minn Kansas City, Kans	34 52	21 31	5	3	Seattle, Wash Spokane, Wash	180 63	98 41	4	12
Kansas City, Mo	116	70	3	4	Tacoma, Wash	44	31	4	130
Lincoln, Nebr	43	32	1	2	, , , , , , , , , , , , , , , , , , , ,		31	-	100
Minneapolis, Minn	122	70	2	6	Total	13,388	7,472	504	737
Omaha, Nebr	84	41	1	4		A Second Co		•	1
St. Louis, Mo	293	178	10	9		nulative T			
St. Paul, Minn	84	53	7	7	including report	ed correct	ions for p	revious we	eks
Wichita, Kans	52	27	4	1 7	All Causes, All Ages All Causes, Age 65 and Pneumonia and Influenza	ver		329,	

MEASLES - 1966

(Continued from page 395)

school. A survey of susceptibles is now being conducted throughout the elementary schools in Powell.

(Reported by Dr. E.C. Ridgway, Health Officer of Park County, Wyoming; Dr. Lester F. Allison, Assistant Health Officer of Park County, Wyoming; Dr. Robert Alberts, Director of Public Health, Wyoming State Department of Public Health; and an EIS Officer.)

Washington County, Oregon

For the past 4 weeks (ending November 12, 1966), Washington County, Oregon, which is suburban Portland, reported a total of 147 cases of measles (MMWR, Vol. 15, Nos. 42-45). Of approximately 12,000 kindergarten through fourth grade students, 6,000 have been estimated to be susceptible. A school measles vaccination program is scheduled on November 23 to eliminate these susceptibles. A school surveillance system will be set up to report to the County Health Officer any absences due to measles. (Reported by Dr. Edward Goldblatt, State Epidemiologist, Oregon State Board of Health.)

Waushara County, Wisconsin

Within the past 2 weeks, an outbreak of 22 cases of measles has occurred in two grade schools in the rural county of Waushara, Wisconsin. This outbreak was uncovered as a result of the accelerated reporting of measles cases to the State Board of Health. Of the approximately 750 students in grades one through three, an estimated 400 children are susceptible to measles. Consequently, a grade school immunization program has been scheduled for November 23, 1966; in addition, a routine program is planned for early December to immunize preschoolers in the county. Jet injector guns are to be used in the programs. (Reported by Dr. Josef Preizler, State Epidemiologist, Wisconsin State Board of Health.)

Browning, Montana

The Indian Health Service in Browning, Montana, reported an increase in the number of measles cases seen at their clinic during October and early November. Investigation disclosed that during October an estimated 120 cases occurred in the City among all age groups. On November 7, 650 children in grades one through six were immunized with measles vaccine.

A sample survey of 60 homes, which included 298 people, was conducted 2 days later. Results indicated that 28 susceptible children remain: 20 in the 0 to 4 year age group, 7 in the 5 to 9 year age group, and one child over 9 years of age. Of the total population, an estimated 10 percent remain susceptible to measles at this time.

A measles surveillance reporting system has been set up in the two grammar schools to report any further cases in the students. The Indian Health Service Clinic will also maintain surveillance for measles in their clinic population.

(Reported by Dr. Mary E. Soules, Director of Disease Control, Montana State Board of Health; and an EIS Officer.)

THE MORBIDITY AND MORTALITY WEEKLY REPORT, WITH A CIRCULATION OF 15,600, IS PUBLISHED AT THE COMMUNICABLE DISEASE CENTER, ATLANTA, GEORGIA

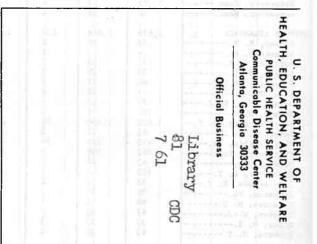
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DAVID J. SENCER, M.D. A.D. LANGMUIR, M.D. IDA L. SHERMAN, M.S.

IN ADDITION TO THE ESTABLISHED PROCEDURES FOR REPORTING MORBIDITY AND MORTALITY, THE COMMUNICABLE DISEASE CENTER WELCOMES ACCOUNTS OF INTERESTING OUTBREAKS OR CASE INVESTIGATIONS WHICH ARE OF CURRENT INTEREST TO HEALTH OFFICIALS AND WHICH ARE DIRECTLY RELATED TO THE CONTROL OF COMMUNICABLE DISEASES. SUCH COMMUNICATIONS SHOULD BE ADDRESSED TO:

THE EDITOR
MORBIDITY AND MORTALITY WEEKLY REPORT
COMMUNICABLE DISEASE CENTER
ATLANTA, GEORGIA 30333

NOTE: THE DATA IN THIS REPORT ARE PROVISIONAL AND ARE BASED ON WEEKLY TELEGRAMS TO THE CDC BY THE INDIVIDUAL STATE HEALTH DEPARTMENTS. THE REPORTING WEEK CONCLUDES ON SATURDAY; COMPILED DATA ON A NATIONAL BASIS ARE RELEASED ON THE SUCCEEDING FRIDAY.



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